

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
10 February 2005 (10.02.2005)

PCT

(10) International Publication Number  
WO 2005/012677 A1

(51) International Patent Classification<sup>7</sup>: E05B 65/32

(21) International Application Number: PCT/EP2004/051542

(22) International Filing Date: 19 July 2004 (19.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: TO2003A 000557 18 July 2003 (18.07.2003) IT

(71) Applicant (for all designated States except US): INTIER AUTOMOTIVE CLOSURES S.p.A. [IT/IT]; Corso Al-lamano, 70/5, I-10090 CASCINE VICA - RIVOLI (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): OTTINO, Franco,

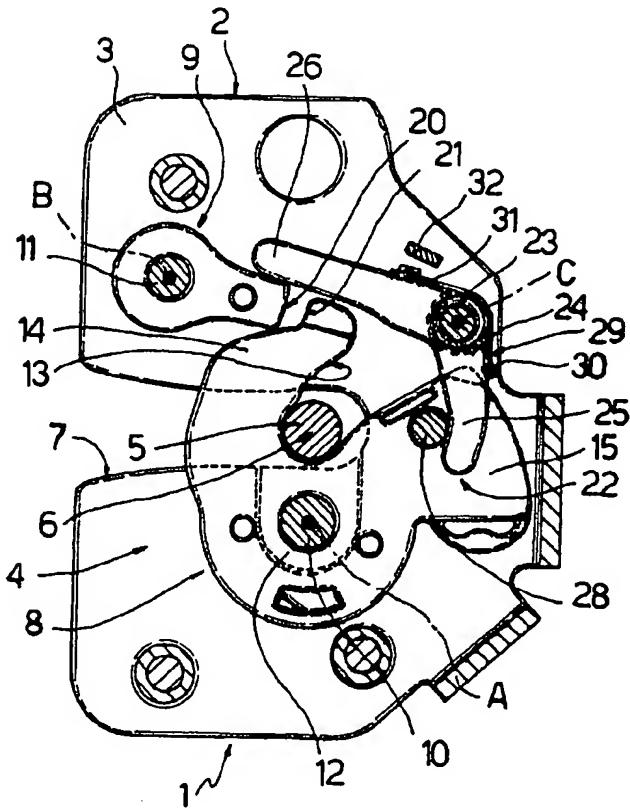
(74) Agents: JORIO, Paolo et al.; STUDIO TORTA S.r.l., Via Vioti, 9, I-10121 TORINO (IT).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: A LOCK FOR A DOOR OF A MOTOR VEHICLE



(57) Abstract: Described herein is a lock (1) for a door of a motor vehicle provided with a closing mechanism (4) designed to cooperate with a lock striker (6) fixed to an upright of the door itself; the closing mechanism (4) is provided with: a fork (8), which can assume an opening position, in which it enables engagement and disengagement between the lock striker (6) and a seat (13) thereof, and a closing position, in which it with-holds the lock striker (6) within its seat (13) and prevents disengagement thereof; a dog (9) coupled via snapaction with the fork (8) for blocking it in a releasable way in the closing position; and an auxiliary lever (22), which can be actuated by the fork (8) during coupling with the lock striker (6) for exerting an action of thrust on the dog (9) and causing it to couple with the fork (8) itself.

WO 2005/012677 A1



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *with international search report*